

SSK/WMK - VISUAL ANALYSIS AND DIGITAL PHOTOGRAPHY

NOTE

Perform visual analysis and digital photography of Media Slides and MCDs after 48 hours of incubation and again after 5 days (3 days after first analysis) of incubation.

1. Unstow Digital Camera and begin charging.
2. Unstow WMK, SSK, Media Slides and MCDs.
3. VISUAL ANALYSIS OF MEDIA SLIDES (SURFACE SAMPLES)
Use one of the options below to examine the Media Slides for microbial growth.
If necessary, the slide may be removed from the Ziploc Bag.

Option 1 - preferred

Count number of colonies on each contact slide and record results on the data sheet (in Kit) as number of colony forming units (CFU) per 25 cm².

Option 2

Remove density chart #1 from the SSK for contact slides with white dot and #2 for contact slides with red dot.

Observe the growth on each Media Slide and compare the amount of growth on each slide to the pictures on the appropriate density chart.

Match the growth pattern to one on the density charts and record the corresponding number/letter on the data sheet (in Kit):

Slides with white dot, assign 1 thru 4

Slides with red dot and showing smooth texture colonies, assign A, B, or C

For fuzzy or filamentous growth, assign D or E

4. VISUAL ANALYSIS OF MCDs (WATER SAMPLES)
Remove one MCD from Small Biohazard Bag; stow Biohazard Bag.

Compare colony growth pattern on MCD with the pictures on the water density chart (in Kit).

Record the corresponding number on the data sheet (in Kit).

5. Repeat steps 3,4 for each Media Slide and MCD.
6. Call the data down to the ground.
7. Stow the data sheets in the appropriate Kit.
8. Prepare the Camera.
Use the macro lens.

9. Photograph the Media Slides and MCDs.
10. At the end of the two day analysis, return Media Slides and MCDs in their Biohazard Bags and stow in incubation location.
At the end of the five day analysis, remove Large Biohazard Bag for disposal of the Media Slides and MCDs. Perform MEDIA SLIDE/MCD DISPOSAL, all (SODF: TBD).
11. Stow Camera and Kits.